

ABSTRACT

WIDEBAND ANTENNA AND RECEIVER CALIBRATION

A method is provided for calibrating an antenna and receiver system
5 having multiple channels, each channel having an antenna, cable feed and associated receiver components, the method comprising the steps of:

- (i) applying a wideband calibration signal to each antenna feed, the wideband calibration signal having similar characteristics to an operational signal;
- 10 (ii) measuring a correlation response across a plurality of said channels;
- (iii) deriving an estimate of signal transfer response for each of said plurality of channels based on the correlation response; and
- (iv) applying compensation factors for each of said plurality of channels derived from the estimate of signal transfer response.

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(Figure 1)